

L Number	Hits	Search Text	DB	Time stamp
2	512	(544/279).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:15
3	469	(546/122).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:28
4	433	(546/139).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
5	515	(546/152).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
6	509	(546/167).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
7	94	(514/259.41).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
8	1019	(514/307).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:30
9	1077	(514/314).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:31
12	123	heterocyclic	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:16
13	0	heterocyclic adj semicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:16
10	640	thiosemicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:17
11	1351	semicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:40

L Number	Hits	Search Text	DB	Time stamp
2	512	(544/279).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:15
3	469	(546/122).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:28
4	433	(546/139).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
5	515	(546/152).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
6	509	(546/167).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
7	94	(514/259.41).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
8	1019	(514/307).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:30
9	1077	(514/314).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:31
12	123	heterocyclic	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:16
13	0	heterocyclic adj semicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:16
10	640	thiosemicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:17
11	1351	semicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:40

L Number	Hits	Search Text	DB	Time stamp
2	512	(544/279).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:28
3	469	(546/122).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:28
4	433	(546/139).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
5	515	(546/152).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
6	509	(546/167).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
7	94	(514/259.41).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
8	1019	(514/307).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:30
9	1077	(514/314).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:31

L Number	Hits	Search Text	DB	Time stamp
2	512	(544/279).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:28
3	469	(546/122).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:28
4	433	(546/139).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
5	515	(546/152).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
6	509	(546/167).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
7	94	(514/259.41).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
8	1019	(514/307).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:30
9	1077	(514/314).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:31

L Number	Hits	Search Text	DB	Time stamp
2	512	(544/279).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:15
3	469	(546/122).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:28
4	433	(546/139).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
5	515	(546/152).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
6	509	(546/167).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
7	94	(514/259.41).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
8	1019	(514/307).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:30
9	1077	(514/314).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:31
12	123	heterocyclic	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:16
13	0	heterocyclic adj semicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:16
10	640	thiosemicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:17
11	1351	semicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:40

L Number	Hits	Search Text	DB	Time stamp
2	512	(544/279).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:15
3	469	(546/122).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:28
4	433	(546/139).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
5	515	(546/152).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
6	509	(546/167).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
7	94	(514/259.41).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:29
8	1019	(514/307).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:30
9	1077	(514/314).CCLS.	USPAT; US-PGPUB; EPO; JPO	2003/03/09 11:31
12	123	heterocyclic	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:16
13	0	heterocyclic adj semicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:16
10	640	thiosemicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:17
11	1351	semicarbazone	USPAT; US-PGPUB; EPO; JPO	2003/03/09 12:40

V. Balasubramanian

Welcome to STN International! Enter x:x

LOGINID:sssptal611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC

V. Balasubramanian

NEWS 43 Feb 13 CANCERLIT is no longer being updated
NEWS 44 Feb 24 METADEX enhancements
NEWS 45 Feb 24 PCTGEN now available on STN
NEWS 46 Feb 24 TEMA now available on STN
NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 48 Feb 26 PCTFULL now contains images
NEWS 49 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:02:38 ON 09 MAR 2003

=> ile reg
ILE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:02:47 ON 09 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 7 MAR 2003 HIGHEST RN 497212-14-3
DICTIONARY FILE UPDATES: 7 MAR 2003 HIGHEST RN 497212-14-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when

10/004,287

V. Balasubramanian

conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\10004287.str

L1 STRUCTURE UPLOADED

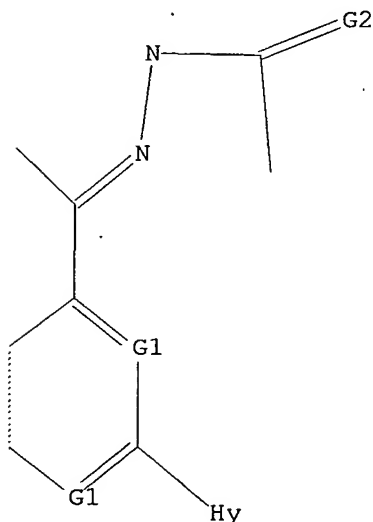
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,N

G2 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 11:03:11 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2205 TO ITERATE

45.4% PROCESSED 1000 ITERATIONS

0 ANSWERS

10/004,287

V. Balasubramanian

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 41284 TO 46916
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

=> s l1 sss ful
FULL SEARCH INITIATED 11:03:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 43963 TO ITERATE

100.0% PROCESSED 43963 ITERATIONS 13 ANSWERS
SEARCH TIME: 00.00.02

L4 13 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 148.15 148.36

FILE 'CAPLUS' ENTERED AT 11:03:33 ON 09 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 9 Mar 2003 VOL 138 ISS 11
FILE LAST UPDATED: 7 Mar 2003 (20030307/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l4

L5 3 L4

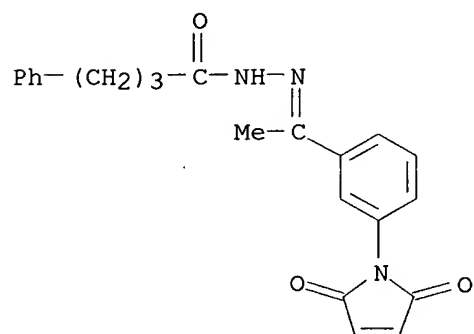
=> d l5 1-3 bib hitstr

L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS
AN 1998:608923 CAPLUS
DN 129:347239
TI Albumin conjugates of the anticancer drug chlorambucil. Synthesis, characterization, and in vitro efficacy
AU Kratz, Felix; Beyer, Ulrich; Roth, Thomas; Schuette, Mark T.; Unold,

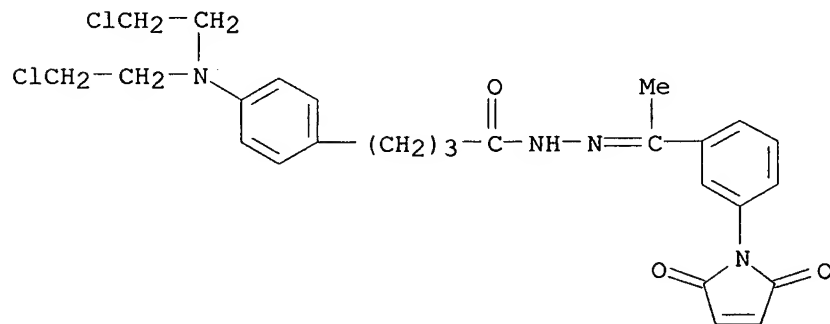
10/004,287

V. Balasubramanian.

Anuschka; Fiebig, Heinz H.; Unger, Clemens
CS Dep. Med. Oncology, Clin. Res., Tumor Biology Center, Freiburg/Br.,
D-79106, Germany
SO Archiv der Pharmazie (Weinheim, Germany) (1998), 331(2), 47-53
CODEN: ARPMAS; ISSN: 0365-6233
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
IT **215391-17-6P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(synthesis, characterization, and in vitro efficacy of albumin
conjugates of anticancer chlorambucil derivs.)
RN 215391-17-6 CAPLUS
CN Benzenebutanoic acid, [1-[3-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-
yl)phenyl]ethylidene]hydrazide (9CI) (CA INDEX NAME)



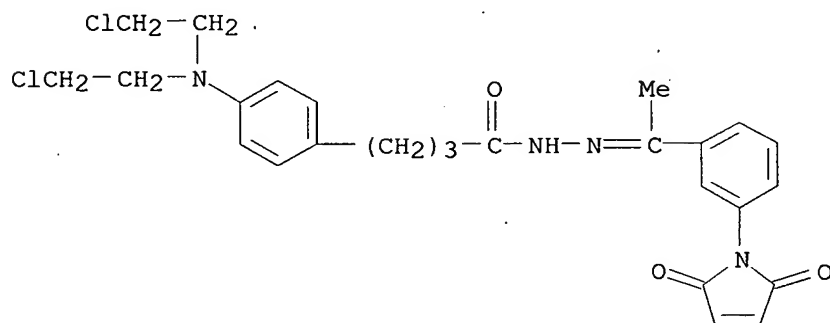
IT **204200-73-7DP**, albumin conjugates
RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use);
BIOL (Biological study); PREP (Preparation); USES (Uses)
(synthesis, characterization, and in vitro efficacy of albumin
conjugates of anticancer chlorambucil derivs.)
RN 204200-73-7 CAPLUS
CN Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-, [1-[3-(2,5-dihydro-2,5-
dioxo-1H-pyrrol-1-yl)phenyl]ethylidene]hydrazide (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
AN 1998:446968 CAPLUS
DN 129:166133

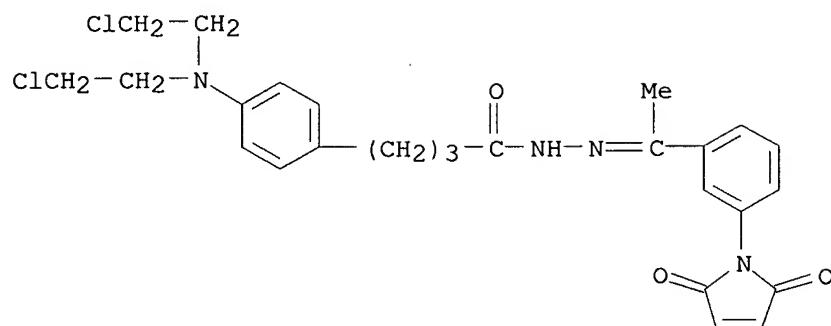
V. Balasubramanian

TI Synthesis and in Vitro Efficacy of Transferrin Conjugates of the
Anticancer Drug Chlorambucil
AU Beyer, Ulrich; Roth, Thomas; Schumacher, Peter; Maier, Gerhard; Unold,
Anuschka; Frahm, August W.; Fiebig, Heinz H.; Unger, Clemens; Kratz, Felix
CS Department of Medical Oncology, Clinical Research, Tumor Biology Center,
Freiburg, 79106, Germany
SO Journal of Medicinal Chemistry (1998), 41(15), 2701-2708
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
IT **204200-73-7P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); PRP (Properties); RCT (Reactant); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant
or reagent)
(synthesis and in vitro efficacy of transferrin conjugates of the
anticancer drug chlorambucil)
RN 204200-73-7 CAPLUS
CN Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-, [1-[3-(2,5-dihydro-2,5-
dioxo-1H-pyrrol-1-yl)phenyl]ethylidene]hydrazide (9CI) (CA INDEX NAME)



IT **204200-73-7DP**, conjugates with transferrin
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); PRP (Properties); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(synthesis and in vitro efficacy of transferrin conjugates of the
anticancer drug chlorambucil)
RN 204200-73-7 CAPLUS
CN Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-, [1-[3-(2,5-dihydro-2,5-
dioxo-1H-pyrrol-1-yl)phenyl]ethylidene]hydrazide (9CI) (CA INDEX NAME)

V. Balasubramanian



RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

AN 1998:186637 CAPLUS

DN 128:213389

TI Antineoplastic transferrin and albumin conjugates of cytostatic compounds
selected from anthracyclines, alkylating agents, antimetabolites, and
cisplatin analogs

IN Kratz, Felix

PA Kratz, Felix, Germany

SO Ger. Offen., 18 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

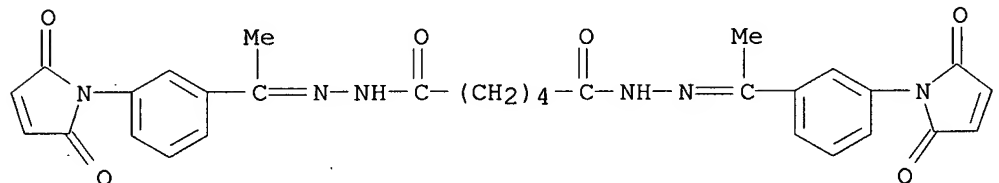
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19636889	A1	19980312	DE 1996-19636889	19960911
	WO 9810794	A2	19980319	WO 1997-DE2000	19970909
	WO 9810794	A3	19980806		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9745489	A1	19980402	AU 1997-45489	19970909
	EP 934081	A2	19990811	EP 1997-943750	19970909
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	JP 2001500133	T2	20010109	JP 1998-513144	19970909
	US 6310039	B1	20011030	US 1999-254598	19990521
	US 2002019343	A1	20020214	US 2001-931940	20010820
PRAI	DE 1996-19636889	A	19960911		
	WO 1997-DE2000	W	19970909		
	US 1999-254598	A1	19990521		
OS	MARPAT 128:213389				
IT	204200-65-7P 204200-73-7P				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
	(antineoplastic transferrin and albumin conjugates of cytostatic				

V. Balasubramanian

comps. selected from anthracyclines, alkylating agents,
antimetabolites, and cisplatin analogs)

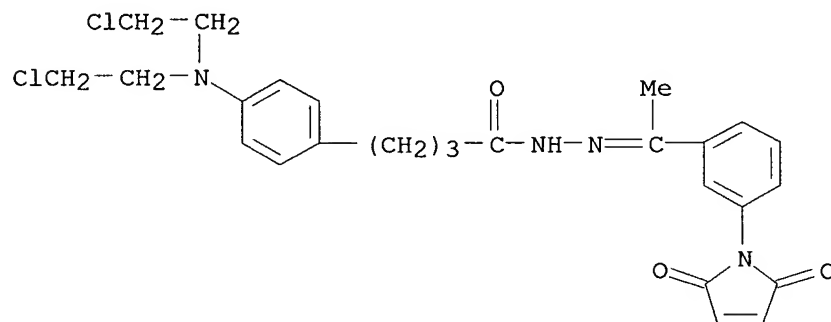
RN 204200-65-7 CAPLUS

CN Hexanedioic acid, bis[[1-[3-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)phenyl]ethylidene]hydrazide] (9CI) (CA INDEX NAME)



RN 204200-73-7 CAPLUS

CN Benzenebutanoic acid, 4-[bis(2-chloroethyl)amino]-, [1-[3-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)phenyl]ethylidene]hydrazide (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

9.80

158.16

STN INTERNATIONAL LOGOFF AT 11:04:00 ON 09 MAR 2003